ALGEBRA I = PARALLEL & PERPENDICULAR LINES WORKSHEET

Graph each set of lines on the same coordinate plane. Examine the graphs to determine whether they are parallel or perpendicular. Fill in the chart below.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Equations | Parallel or Perpendicular | Slope of Line 1 | Slope of Line 2 |
| 1 |  |  |  |  |
| 2 |  |  |  |  |
| 3 |  |  |  |  |
| 4 |  |  |  |  |
| 5 |  |  |  |  |
| 6 |  |  |  |  |
| 7 |  |  |  |  |
| 8 |  |  |  |  |
| 9 |  |  |  |  |
| 10 |  |  |  |  |

KEY

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|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Equations | Parallel or Perpendicular | Slope of Line 1 | Slope of Line 2 |
| 1 |  | Parallel | 2 | 2 |
| 2 |  | Parallel |  |  |
| 3 |  | Perpendicular | 2 |  |
| 4 |  | Perpendicular | -3 |  |
| 5 |  | Parallel |  |  |
| 6 |  | Perpendicular |  |  |
| 7 |  | Parallel |  |  |
| 8 |  | Perpendicular |  |  |
| 9 |  | Perpendicular |  |  |
| 10 |  | Parallel |  |  |